

WHAT IS CLAIMED IS:

1. A connector comprising a pair of connector housings capable of fitting on each other,
one of said connector housings comprising:

a locking arm elastically deformable toward a flexing space by contact with a locking arm contact portion formed on the other of said connector housings, during performing of a fitting operation of said connector housings on each other, said locking arm returning to its original state when said connector housings have been normally fitted on each other and are locked to one another, thereby holding said connector housings in a locked state;

a fit-on detection member disposed within a height of said flexing space, said fit-on detection member to detect whether said connector housings are in said normal fit-on state by determining whether said fit-on detection member can be pressed into said flexing space,

said fit-on detection member including an elastic arm elastically deformable in association with an elastic deforming operation of said locking arm; and a receiving portion formed on said elastic arm and locked to a locking portion formed on said one connector housing when said elastic arm is elastically deformed, whereby said fit-on detection member is prevented from pressing into said flexing space;

when said connector housings are in said normal fit-on state, said elastic arm of said fit-on detection member returns to an original state by elastic deformation which occurs in association with a restoring operation of said locking arm to its original state, and said receiving portion is unlocked from said locking portion, whereby said fit-on detection member can be pressed into said flexing space.

2. A connector according to claim 1, wherein said fit-on detection member is approximately U-shaped, said elastic arms being connected to a front portion of said one connector housing in a fit-on direction;

a first guide surface, formed on an opposed surface of each of said elastic arms, inclines in a widthwise direction of said fit-on detection member, said first guide surface slides in contact with said locking arm guiding said elastic arms, which deform elastically outward in said widthwise direction of said fit-on detection member, when said locking arm elastically deforms;

a stopping surface formed on an outer surface of each of said elastic arms being locked to a rear end of a protection wall erected at both sides of said locking arm of said one connector housing in a widthwise direction and extending in a front-to-back direction when said elastic arms elastically deform.

3. A connector according to claim 2, wherein said locking arm is cantilevered and extends rearward, with a front end serving as a base;

said fit-on detection member is held at a position proximate to said base of said locking arm; and

each of said elastic arms has a second guide surface inclining in a front-to-back direction of said fit-on detection member and in sliding contact with said locking arm when said locking arm elastically deforms thereby moving said fit-on detection member rearward in combination with said elastic deformation of each of said elastic arms.

4. A connector according to claim 2, wherein said elastic arms are elastically deformable outward in a widthwise direction of said fit-on detection member.